

10/001, 934

each X independently represents any amino acid residue. For instance, the VH CDR3 sequence can be SPRYRGAFDY (SEQ ID No. 3) and/or the VL CDR3 sequence can be QSYDLIRH (SEQ ID No. 4) or QSYDMNVH (SEQ ID No. 5).

◇◇ Please replace lines 22-23 on page 17 with the following amended paragraph:

For instance, the VH CDR3 sequence is SPRYRGAFDY (SEQ ID No. 3) and/or the VL CDR3 sequence is QSYDLIRH (SEQ ID No. 4) or QSYDMNVH (SEQ ID No. 5).

A.B.
3/6/09

◇◇ Please replace lines 17-31 on page 38, lines 1-31 on page ³⁹~~38~~ and lines 1-6 on page 40 with the following amended text:

Figure 11 Vector map and sequence (SEQ ID NO: 33) of scFv phage display vector pMORPH13_scFv. The vector pMORPH13_scFv is a phagemid vector comprising a gene encoding a fusion between the C-terminal domain of the gene III protein of filamentous phage and a HuCAL scFv. In Figure 11, a vector comprising a model scFv gene (combination of VH1A and Vλ3 (Knappik et al., 2000) is shown. The original HuCAL master genes (Knappik et al. (2000): see Fig. 3 therein) have been constructed with their authentic N-termini: VH1A, VH1B, VH2, VH4 and VH6 with Q (=CAG) as the first amino acid. VH3 and VH5 with E (=GAA) as the first amino acid. Vector pMORPH13_scFv comprises the short FLAG peptide sequence (DYKD SEQ ID NO: 9) fused to the VH chain, and thus all HuCAL VH chains in, and directly derived from, this vector have E (=GAA) at the first position (e.g. in pMx7_FS vector, see Figure 12).

Figure 12 Vector map and sequence (SEQ ID NO: 34) of scFv expression vector pMx7_FS_5D2. The expression vector pMx7_FS_5D2 leads to the expression of HuCAL scFv fragments (in Figure 12, the vector comprises a gene encoding a "dummy" antibody fragment called "5D2") when VH-CH1 is fused to a combination of a FLAG tag (Hopp et al., 1988; Knappik and Plückthun, 1994) and a STREP tag II (WSHPQFEK SEQ ID NO: 8) (IBA GmbH, Göttingen, Germany; see: Schmidt and